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i. p. c. b. ch. b. s. s.  
7/19/97 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Calder et al.

Attorney Docket No.: SUN1P123/P2167

Application No.: 08/831,845

Examiner: Bullock Jr., L

Filed: April 1, 1997

Group: 2151

Title: METHOD AND APPARATUS FOR  
DISCOVERING AND ACTIVATING  
SOFTWARE COMPONENTS

RECEIVED  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the  
United States Postal Service as First Class Mail to: Assistant  
Commissioner for Patents, Washington, DC 20231 on July 19, 2001.

Signed: \_\_\_\_\_

*Leslie Russell*  
Leslie Russell

**AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Please consider the following amendments and remarks in response to the Office Action  
mailed on June 5, 2001.

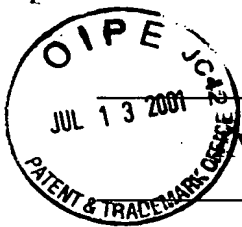
**IN THE CLAIMS**

Please enter the amendments provided below. All pending claims have been reproduced  
in an appendix below for the convenience of the Examiner. The appendix pages may be treated  
as substitute pages for the pages of claims in the present application.

1. A computer-implemented framework for associating data with a command object, the  
command object being arranged to operate on the data, wherein the data is associated with an  
application, the computer-implemented framework comprising:

a data handler mechanism arranged [to] as a generic interface with the application,  
wherein the generic interface allows use of new command objects without modifying the  
application;

a data retriever mechanism in communication with the data handler mechanism, the data  
retriever mechanism being arranged to obtain the data and to pass the data to the data handler  
mechanism; and



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## CERTIFICATE OF MAILING

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United States Postal Service as First Class Mail to: Assistant  
Commissioner for Patents, Washington, DC 20231 on July 10, 2001.Signed: 

Leslie Russell

**AMENDMENT TRANSMITTAL**Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

	Claims After Amendment		Highest Previously Paid For	Present Extra	Small Entity Rate Fee	Large Entity Rate Fee
Total Claims	27	MINUS	27	00	x 9 =	x 18 = 0
Independent Claims	04	MINUS	04	00	x 39 =	x 78 =
Multiple Dependent Claim Present and Fee Not Previously Paid					\$130.00	\$260.00
Total					\$	\$0.00



Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-0388.



Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-0388 (Order No. SUN1P123).

Respectfully submitted,  
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